

CLAIMS

1 1. An optical waveguide, comprising a core, said core being
2 doped with laser-active ions, said core being additionally doped with Cer.

1 2. An optical waveguide as defined in claim 1, wherein said
2 doping with Cer constitutes 5-200% of a concentration of the laser-active
3 ions in mol %.

1 3. An optical waveguide as defined in claim 1, wherein the
2 waveguide is formed as a silicate fiber, said core being codoped also for
3 adjusting a refraction index profile.

1 4. An optical amplifier, comprising a component which is an
2 optical waveguide, said optical waveguide including a core, said core being
3 doped with laser-active ions, said core being additionally doped with Cer.

1 5. An optical power amplifier, comprising a component which
2 is an optical waveguide, including a core, said core being doped with laser-
3 active ions, said core being additionally doped with Cer.

1 6. A laser, comprising an optical waveguide including a core,
2 said core being doped with laser-active ions, said core being additionally
3 doped with Cer.

1 7. An optical device which is used under radiation loading,
2 comprising an optical waveguide including a core, said core being doped with
3 laser-active ions, said core being additionally doped with Cer.